



SPYWOLF

Security Audit Report



Completed on
June 2, 2022

MADE IN USA 

 @SPYWOLFNETWORK

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 SPYWOLF.CO



OVERVIEW

This audit has been prepared for **Fly-Chain** to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal

- SPYWOLF Team -

”





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Fly-chain



PROJECT DESCRIPTION

According to their whitepaper:

Fly-chain will be proof of stake (POS) rewarding staking token.

Main foals for project's development are as follows:

- Swap
- Bridge
- Mining
- NFT Marketplace



CONTRACT INFO

| | |
|--|--------------|
| Contract Name | Symbol |
| FLYCHAIN | FLY |
| Contract Address | |
| 0xB02a54f6AC08E8184b5E43c71818B9a0F751Ad77 | |
| Network | Language |
| Binance Smart Chain | Solidity |
| Deployment Date | Verified? |
| June 02, 2022 | Yes |
| Total Supply | Status |
| 100,000 | Not launched |

TAXES



Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



CURRENT STATS

(As of June 02, 2022)



Liquidity

Not added yet



Burn

No burnt tokens

Status:
Not Launched!

MaxTxAmount:
1,500

DEX:
PANCAKESWAP

LP Address(es)

Liquidity not added yet



TOKEN TRANSFERS STATS

| | |
|-------------------------|------------------------|
| Transfer Count | 1 |
| Uniq Senders | 1 |
| Uniq Receivers | 1 |
| Total Amount | 99999.999999999999 FLY |
| Median Transfer Amount | 99999.999999999999 FLY |
| Average Transfer Amount | 99999.999999999999 FLY |
| First transfer date | 2022-06-02 |
| Last transfer date | 2022-06-02 |
| Days token transferred | 1 |

SMART CONTRACT STATS

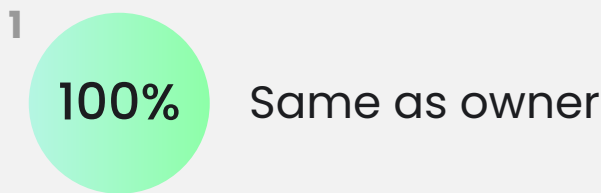
| | |
|-----------------------|--|
| Calls Count | 1 |
| External calls | 1 |
| Internal calls | 0 |
| Transactions count | 1 |
| Uniq Callers | 1 |
| Days contract called | 1 |
| Last transaction time | 2022-06-02 09:12:42 UTC |
| Created | 2022-06-02 09:12:42 UTC |
| Create TX | 0xd967d28dd785cee9f87d85850493ba161e75136a2ebe3b3598c37e325f65cfa5 |
| Creator | 0x740c39215fc735c0ac66672c54ab958594f9109d |



FEATURED WALLETS

| | |
|--------------------|--|
| Owner address | 0x740C392I5FC735C0AC66672C54Ab958594f9I09d |
| Marketing wallet | 0x570B72429e22538F8F0976ca3IeE96b32C5034fd |
| Development wallet | Same as owner |
| LP address | Liquidity not added yet |

TOP 3 UNLOCKED WALLETS





VULNERABILITY CHECK

| | |
|--|--------|
| Design Logic | Passed |
| Compiler warnings. | Passed |
| Private user data leaks | Passed |
| Timestamp dependence | Passed |
| Integer overflow and underflow | Passed |
| Race conditions and reentrancy. Cross-function race conditions | Passed |
| Possible delays in data delivery | Passed |
| Oracle calls | Passed |
| Front running | Passed |
| DoS with Revert | Passed |
| DoS with block gas limit | Passed |
| Methods execution permissions | Passed |
| Economy model | Passed |
| Impact of the exchange rate on the logic | Passed |
| Malicious Event log | Passed |
| Scoping and declarations | Passed |
| Uninitialized storage pointers | Passed |
| Arithmetic accuracy | Passed |
| Cross-function race conditions | Passed |
| Safe Zeppelin module | Passed |
| Fallback function security | Passed |



THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.



FOUND THREATS

⚠ Medium Risk

Owner can change buy/sell fees up to 20% (combined buy+sell=40%).

```
function UpdateBuyTaxFeePercentage(uint256 taxFee,uint256 liquidityFee,
uint256 MarketingFee,uint256 DevelopmentFee) external onlyOwner {
    _taxFee = taxFee;
    _previousTaxFee = _taxFee;
    _liquidityFee = liquidityFee;
    _previousLiquidityFee = _liquidityFee;
    _MarketingFee = MarketingFee;
    _previousMarketingFee = _MarketingFee;
    _DevelopmentFee = DevelopmentFee;
    _previousDevelopmentFee = _DevelopmentFee;

    _buyTaxFee = _taxFee;
    _buyLiquidityFee = _liquidityFee;
    _buyMarketingFee = _MarketingFee;
    _buyDevelopmentFee = DevelopmentFee;

    require(taxFee.add(liquidityFee).add(MarketingFee).add(DevelopmentFee) <= 20,
    "You can't set more than 20%");
    emit BuyTaxFeeUpdated(taxFee.add(liquidityFee).add(MarketingFee).add(DevelopmentFee));
}

function UpdateSellTaxFeePercentage(uint256 taxFee,uint256 liquidityFee,
uint256 MarketingFee,uint256 DevelopmentFee) external onlyOwner {
    _sellTaxFee = taxFee;
    _sellLiquidityFee = liquidityFee;
    _sellMarketingFee = MarketingFee;
    _sellDevelopmentFee = DevelopmentFee;
    require(taxFee.add(liquidityFee).add(MarketingFee).add(DevelopmentFee) <= 20,
    "You can't set more than 20%");
    emit SellTaxFeeUpdated(taxFee.add(liquidityFee).add(MarketingFee).add(DevelopmentFee));
}
```

- Recommendation:
 - Good fees practice for each transaction is in the 10-15% range and both buy+sell fees to be kept under 25%.



RECOMMENDATIONS FOR

GOOD PRACTICES

1

Consider fundamental tradeoffs

2

Be attentive to blockchain properties

3

Ensure careful rollouts

4

Keep contracts simple

5

Stay up to date and track development

FLY-CHAIN

GOOD PRACTICES FOUND

- ✓ The owner cannot mint new tokens after deployment
- ✓ The owner cannot stop or pause the contract
- ✓ The owner can set a transaction limit, but can't lower it than 1% of total supply
- ✓ The smart contract utilizes "SafeMath" to prevent overflows

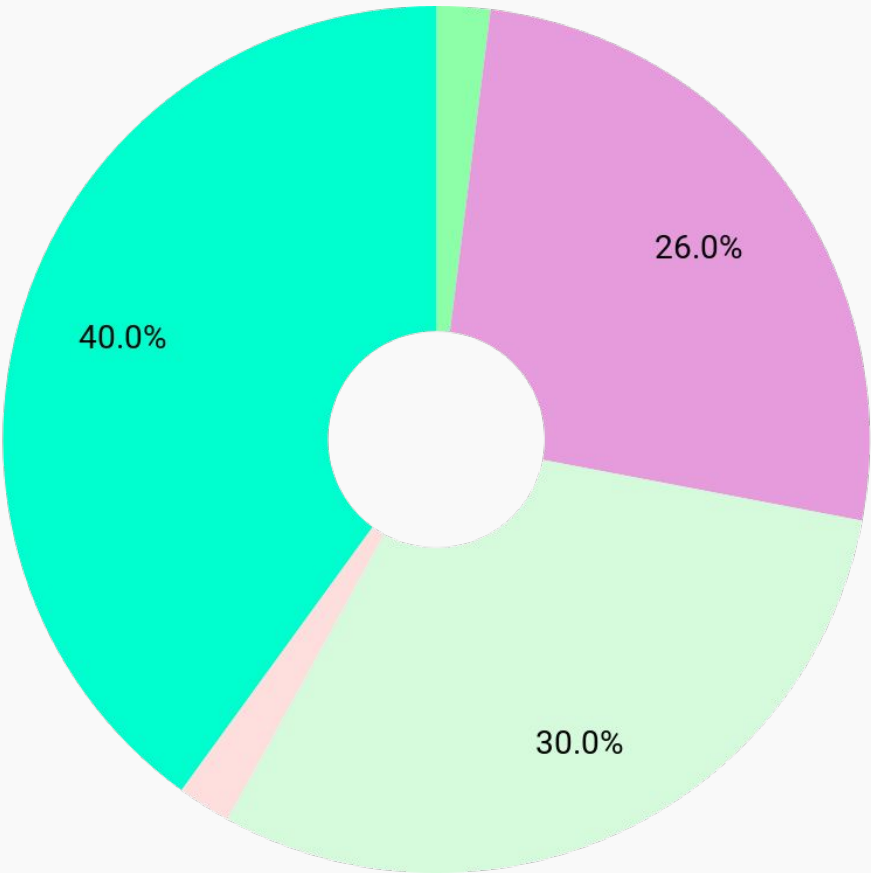


*The following tokenomics are based on the project's whitepaper and/or website:

- 26% - Mining pool
- 40% - Private sale
- 30% - Liquidity
- 2% - Development
- 2% - Marketing

Token Distribution

- Marketing
- Mining Pool
- Liquidity
- Development
- Private Sale



TOKENOMICS



THE TEAM

! The team is
anonymous

KYC INFORMATION

! No KYC

We recommend the team to get a KYC in order to ensure trust and transparency within the community.





Website URL
<https://flychain.org/>

Domain Registry
<https://www.namecheap.com/>

Domain Expiration
Expires on 2023-06-02

Technical SEO Test
Passed

Security Test
Passed. SSL certificate present

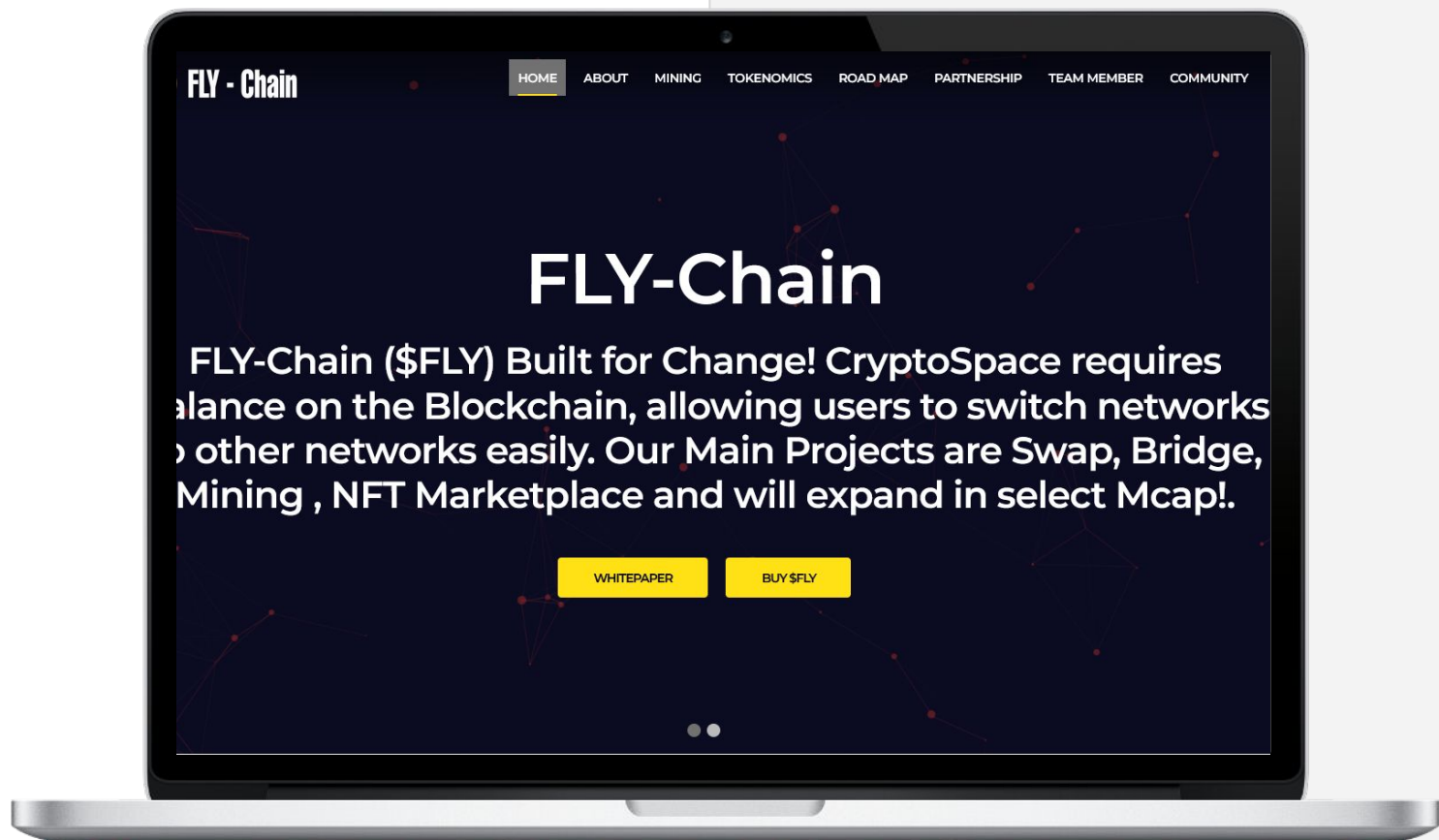
Design
Appropriate color scheme,
nice overall layout.

Content
Confusing, not informative.
⚠️

Whitepaper
Confusing, not informative.
⚠️

Roadmap
Goals set at 4 phases
without time frames.

Mobile-friendly?
Yes



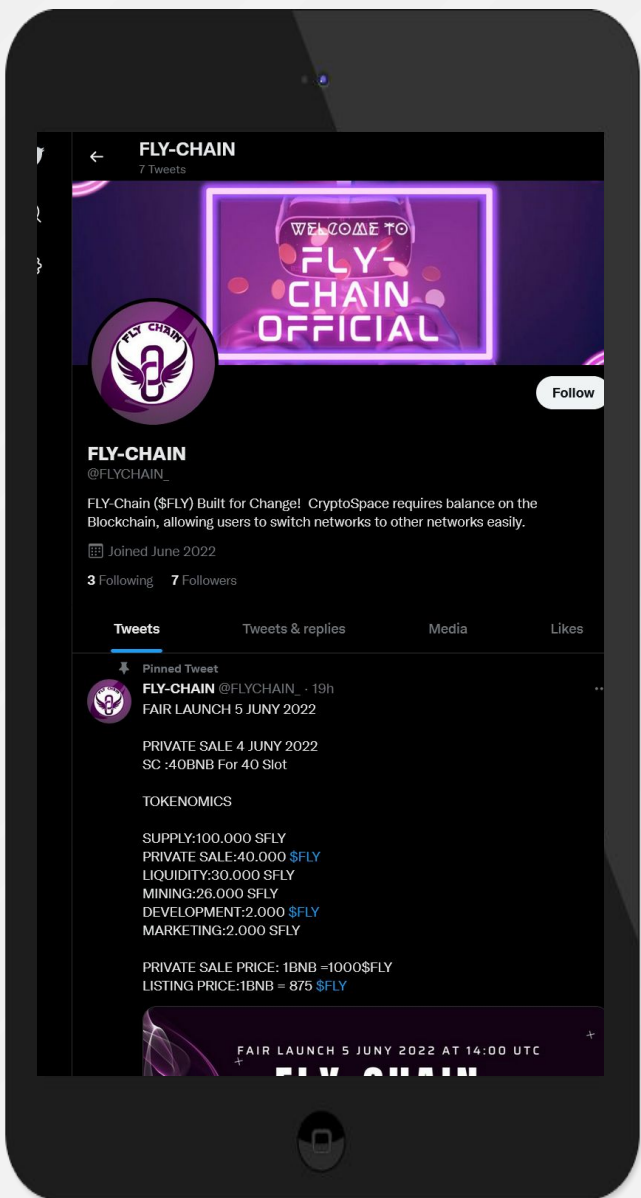
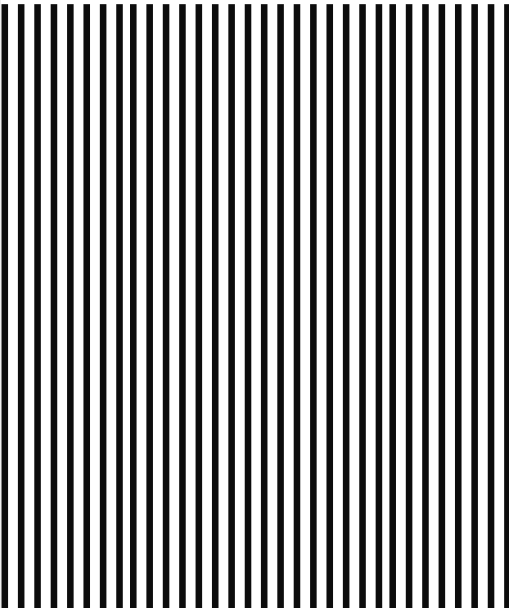
flychain.org



SOCIAL MEDIA & ONLINE PRESENCE

ANALYSIS

The project's social media presence is very new and may raise some red flags within potential investors.



Twitter

@FLYChain_

- 6 followers ⚠️
- Total 6 posts all made in single day ⚠️



Discord

N/A

- Not available



Telegram

@FLYChainportal

- 153 members
- Active members
- Active mods



Medium

N/A

- Not available



SPYWOLF

CRYPTO SECURITY

Audits | KYCs | dApps
Contract Development

ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

- ✓ OVER 150 SUCCESSFUL CLIENTS
- ✓ MORE THAN 500 SCAMS EXPOSED
- ✓ MILLIONS SAVED IN POTENTIAL FRAUD
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To hire us, reach out to
contact@spywolf.co or
t.me/joe_SpyWolf

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Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.